

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listings of Claims:

1-15. (Cancelled)

16. (Currently amended) A device comprising: a nanostructure having a surface; and a passivation layer coating all but a unique site on the surface, the unique site exhibiting at least one of chemical, biological, electrical, and physical activity, wherein the nanostructure comprises a carbon nanotube, wherein a material is attached to the unique site, and wherein a moveable probe is connected to the nanostructure.

17. (Cancelled)

18. (Currently amended) The device of claim ~~17~~ 16, wherein the carbon nanotube is selected from the group consisting of a single-wall carbon nanotube (SWNT), a multi-wall carbon nanotube, and a bundle or rope of SWNTs.

19. (Original) The device of claim 16 wherein the passivation layer comprises at least one of a polymer, a semiconductor, and a metal.

20. (Cancelled)

21. (Original) The device of claim 16 wherein the moveable probe is selected from the group consisting of a scanning probe microscope (AFM), a nanoscanner, and a nanopositioner.

22. (Original) The device of claim 16 wherein the unique site comprises an exposed portion of the nanostructure in communication with a source of electrical power.

23. (Cancelled)

24. (Currently amended) The device of claim ~~23-16~~ wherein the material is selected from the group consisting of a carboxyl group, an amine group, and a molecule covalently bound to one of a carboxyl group and an amine group.

25. (Currently amended) The device of claim ~~23-16~~ wherein the material comprises a molecule bound at the unique site with a covalent bond.

26. (Currently amended) The device of claim ~~23-16~~ wherein the ~~functional group~~ ~~material~~ comprises a molecule bound at the unique site with other than a covalent bond.

27.-34. (Cancelled)

35. (New) A device comprising: a carbon nanotube, wherein the carbon nanotube has a surface and two ends, wherein the carbon nanotube is connected to a moveable probe and wherein one of the ends of the carbon nanotube has a tip; wherein the surface and all but the tip of the carbon nanotube is coated with one or more layers of a material selected from the group consisting of a polymer, a metal, a semiconductor material and an insulator material, wherein the tip of the carbon nanotube exhibits at least one of chemical, biological, electrical, and physical activity.

36. (New) The device of claim 35, wherein the carbon nanotube is selected from the group consisting of a single-wall carbon nanotube (SWNT), a multi-wall carbon nanotube, and a bundle or rope of SWNTs.

37. (New) The device of claim 35 wherein the moveable probe is selected from the group consisting of a scanning probe microscope (AFM), a nanoscanner, and a nanopositioner.

38. (New) The device of claim 35 wherein the tip of the carbon nanotube is in

communication with a source of electrical power.

39. (New) The device of claim 35 further comprising a material attached to the tip of the carbon nanotube.

40. (New) The device of claim 39 wherein the material is selected from the group consisting of a carboxyl group, an amine group, and a molecule covalently bound to one of a carboxyl group and an amine group.

41. (New) The device of claim 39 wherein the material comprises a molecule bound at the tip of the carbon nanotube with a covalent bond.

42. (New) The device of claim 35 wherein the material comprises a molecule bound at the tip of the carbon nanotube with other than a covalent bond.